

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	7568	((257/412) or (257/410) or (257/411) or (257/E21.01) or (257/E21.274) or (438/287) or (438/591) or (438/785)).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/07/03 17:46
S1	2	"20050247985"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/07 17:53
S3	21739	high adj dielectric adj constant	US-PGPUB; USPAT	OR	ON	2007/05/08 14:59
S4	2218	gate and (gate near insulat\$3) and (Hfsi Zr)	US-PGPUB; USPAT	OR	ON	2007/06/02 17:24
S5	710	S3 and S4	US-PGPUB; USPAT	OR	ON	2007/05/08 15:07
S6	174665	gate and silicon oxide and depth and distribut\$3 and ((gate near insulat\$3) near (Zr Hf Ta Al Ti Nb Sc Y La Ce Pr Nd Sm Eu Gd Tb Dy Ho Er Tm Yb Lu))	US-PGPUB; USPAT	OR	ON	2007/05/08 15:07
S7	2075	S6 and S4	US-PGPUB; USPAT	OR	ON	2007/05/08 15:07
S8	204	S5 and @ad<"20020619"	US-PGPUB; USPAT	OR	ON	2007/05/08 15:08
S13	569	(tan hfo si) adj mosfet	US-PGPUB; USPAT	OR	ON	2007/06/02 17:38
S14	310	S13 and @ad<"20020627"	US-PGPUB; USPAT	OR	ON	2007/06/02 17:30
S15	0	(tan hfo) adj mosfet	US-PGPUB; USPAT	OR	ON	2007/06/02 17:38
S16	21	(tan hfo) near2 mosfet	US-PGPUB; USPAT	OR	ON	2007/06/02 17:42
S17	20	(hag-ju near cho).in.	US-PGPUB; USPAT	OR	ON	2007/06/02 17:47
S18	14	("20020104481"   "5316982"   "5668021"   "5668054"   "6153519"   "6168991"   "6203613"   "6204204"   "6221712"   "6357901"   "6492217"   "6504214"   "6537901"   "6607958").PN.	US-PGPUB; USPAT	OR	ON	2007/06/02 17:54

S19	7	"6380104"	US-PGPUB; USPAT	OR	ON	2007/06/02 23:10
S20	0	(Tanaka adj nobufumi).in.	US-PGPUB; USPAT	OR	ON	2007/06/02 22:02
S21	0	(Tanaka near nobufumi).in.	US-PGPUB; USPAT	OR	ON	2007/06/02 22:02
S22	148	(nobufumi).in.	US-PGPUB; USPAT	OR	ON	2007/06/02 22:02
S23	637302	nitrogen	US-PGPUB; USPAT	OR	ON	2007/06/02 22:03
S24	17	S22 and S23	US-PGPUB; USPAT	OR	ON	2007/06/02 22:04
S25	0	(stack\$3 adj gate) with (nitrogen adj concentrat \$3) with (high adj dielectric adj constant) and (gate near insulat\$3) and (silicon adj oxide)	US-PGPUB; USPAT	OR	ON	2007/06/02 22:06
S26	7	(stack\$3 adj gate) and (nitrogen adj concentrat \$3) and (high adj dielectric adj constant) and (gate near insulat\$3) and (silicon adj oxide)	US-PGPUB; USPAT	OR	ON	2007/06/02 22:09
S27	16	(stack\$3 adj gate) and (nitrogen adj concentrat \$3) and (high adj dielectric adj constant)	US-PGPUB; USPAT	OR	ON	2007/06/02 22:09
S28	38	(stack\$3 near gate) and (nitrogen adj concentrat \$3) and (high adj dielectric adj constant)	US-PGPUB; USPAT	OR	ON	2007/06/02 22:22
S29	40	"5891798"	US-PGPUB; USPAT	OR	ON	2007/06/02 22:22
S30	158	Dharmarajan.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/02 22:59
S31	6	"6365467"	US-PGPUB; USPAT	OR	ON	2007/06/02 23:10
S32	8784	((438/197) or (438/299) or (438/585) or (438/587) or (438/588) or (438/592) or (438/652) or (438/653) or (438/654) or (438/656) or (438/657) or (438/680) or (438/684)).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/06/11 10:47

S33	0	high near dielectric near3 gate near insulat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/20 16:31
S34	0	high near dielectric and gate near insulat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/20 16:41
S35	5868	(high near dielectric) and (gate near insulat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/20 16:41
S36	950	stack\$3 near gate near electrode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/20 16:47
S37	47	S35 and S36	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/20 16:47
S38	1053	(257/411).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/22 08:16
S39	576	(hafnium near oxynitride)	US-PGPUB; USPAT	OR	ON	2008/09/23 10:44
S40	1732595	(hafnium near oxynitride) near\$2 (gate near (insulat \$3 dielectric))	US-PGPUB; USPAT	OR	ON	2008/09/23 10:44
S41	23	(hafnium near oxynitride) near2 (gate near (insulat \$3 dielectric))	US-PGPUB; USPAT	OR	ON	2008/09/23 10:44
S42	1	"20050263754"	US-PGPUB; USPAT	OR	ON	2008/09/24 11:38
S43	5702	porous near silicon	US-PGPUB; USPAT	OR	ON	2008/09/24 12:08
S44	3073	porous near silicon	USPAT	OR	ON	2008/09/24 12:08
S45	27834	sony.as.	USPAT	OR	ON	2008/09/24 12:09
S46	27	S45 and S44	USPAT	OR	ON	2008/09/24 12:09
S47	892	S44 and (sic 3c-sic (silicon near carbide))	USPAT	OR	ON	2008/09/24 12:15

S48	1	S47 and (single near cyrstal)	USPAT	OR	ON	2008/09/24 12:15
S49	14	{"4090851"   "4213940"   "4264565"   "4298629"   "4312923"   "4346068"   "4368180").PN. OR ("4515755").URPN.	US-PPGPUB; USPAT; USOCR	OR	ON	2008/09/24 12:16
S50	11	(single near cyrstal) and (sic 3c-sic (silicon near carbide))	USPAT	OR	ON	2008/09/24 12:17
S51	261	S47 and (single near crystal)	USPAT	OR	ON	2008/09/24 12:17
S52	1705	(single near crystal) with (sic 3c-sic (silicon near carbide))	USPAT	OR	ON	2008/09/24 12:19
S53	2623	(single near crystal) same (sic 3c-sic (silicon near carbide))	USPAT	OR	ON	2008/09/24 12:19
S54	61	S47 and S52	USPAT	OR	ON	2008/09/24 12:19
S55	94	S47 and S53	USPAT	OR	ON	2008/09/24 12:19
S56	3073	porous near silicon	USPAT	OR	ON	2008/09/24 15:22
S57	892	S56 and (sic 3c-sic (silicon near carbide))	USPAT	OR	ON	2008/09/24 15:22
S58	0	S57 and (cubic near boron near phosphate)	USPAT	OR	ON	2008/09/24 15:31
S59	9	S57 and (boron near phosphate)	USPAT	OR	ON	2008/09/24 15:31
S60	21	S57 and ((boron near phosphate) c-bp bp)	USPAT	OR	ON	2008/09/24 15:32
S61	0	ep1298234	US-PPGPUB; USPAT	OR	ON	2008/09/24 15:41
S62	0	ep1298234	US-PPGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/24 15:41
S63	2	ep near "1298234"	US-PPGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/24 15:41

S64	2	"20030056718"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/24 15:41
S65	12	"5588994"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/24 15:46
S66	2	S65 and boron	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/24 15:47
S67	32	c-BP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/24 15:50
S68	15	"6844604"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/24 19:44
S69	2755	(single near crystal) same (sic 3c-sic (silicon near carbide))	USPAT	OR	ON	2009/04/12 20:04
S70	6744	((257/412) or (257/410) or (257/411) or (257/E21.01) or (257/E21.274) or (438/287) or (438/591) or (438/785)).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/04/12 20:04
S71	11172	((438/197) or (438/299) or (438/585) or (438/587) or (438/588) or (438/592) or (438/652) or (438/653) or (438/654) or (438/656) or (438/657) or (438/680) or (438/684)).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/11/08 22:17
S72	2541423	(oxynitride) near\$2 ((insulat \$3 dielectric))	US-PGPUB; USPAT	OR	ON	2009/11/08 22:18
S73	3814	(oxynitride) near2 ((insulat \$3 dielectric))	US-PGPUB; USPAT	OR	ON	2009/11/08 22:18
S74	1727	S73 same gate	US-PGPUB; USPAT	OR	ON	2009/11/08 22:18
S75	314	S74 and (high near k near dielectric)	US-PGPUB; USPAT	OR	ON	2009/11/08 22:19

S76	190	"6020024"	US-PGPUB; USPAT	OR	ON	2010/04/10 17:23
S77	18515	cho.in.	US-PGPUB; USPAT	OR	ON	2010/07/01 10:46
S78	211	S77 and nitrogen and tan	US-PGPUB; USPAT	OR	ON	2010/07/01 10:47
S79	18515	cho.in.	US-PGPUB; USPAT	OR	ON	2010/07/01 10:58
S80	211	S79 and nitrogen and tan	US-PGPUB; USPAT	OR	ON	2010/07/01 10:58
S81	1	"20090121301"	US-PGPUB; USPAT	OR	ON	2010/07/02 14:06
S82	10	("5480828"   "5672521"   "5712208"   "6033998"   "6136654"   "6165849"   "6265327"   "6426305"   "6548366"   "6686298"). PN. OR ("7157339"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/03 15:30
S83	511	nitrogen with (high near dielectric)	US-PGPUB; USPAT	OR	ON	2010/07/03 16:15
S84	292	S83 and polysilicon	US-PGPUB; USPAT	OR	ON	2010/07/03 16:15
S85	205	S84 and concentration	US-PGPUB; USPAT	OR	ON	2010/07/03 16:16

### EAST Search History (Interference)

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